

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-254463

(43)Date of publication of application : 01.10.1996

(51)Int.Cl.

G01J 3/02

G01J 3/18

(21)Application number : 08-023493

(71)Applicant : HEWLETT PACKARD CO <HP>

(22)Date of filing : 09.02.1996

(72)Inventor : KRAICZEK KARSTEN

(30)Priority

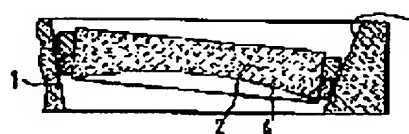
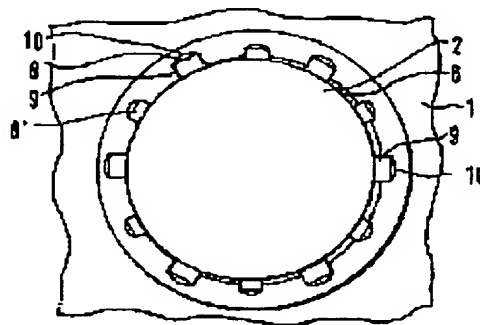
Priority number : 95 19504834 Priority date : 14.02.1995 Priority country : DE

## (54) DIODE ARRAY SPECTROPHOTOMETER

(57)Abstract:

**PROBLEM TO BE SOLVED:** To stably secure a diffraction grating thermally and mechanically with respect to an inlet slit and a diode array by providing the subject photometer with a casing for determining the relative position between them.

**SOLUTION:** A casing 1 for determining the relative position between an inlet slit and a diode array has a frustum conical opening 7 enlarging outward and made of silicate ceramic. A diffraction grating holder 2 (made of silicate ceramic) comprises a cylindrical body having cylindrical outer surface 6 and a diffraction grating 4 similar to a concave mirror is secured to the body. A plurality of filling elements 8, 8' are arranged between the cylindrical outer surface 6 of diffraction grating holder



2 and the wall of frustum conical opening 7. The filling element 8, 8' has cylindrical base part 9 and spherical upper part 10. The diffraction grating holder 2 is inserted into the opening 7 and adjusted. Flat base part of the filling element 8, 8' abuts against the outer surface 6 and the spherical upper part 10 abuts against the opening 7.

---

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office